

### REMARKS

This amendment is offered in response to the Office Action of August 15, 2006.

The Office Action rejected Claims 1-4 under 35 U.S.C. §103(a) as being obvious over allegedly admitted prior art in view of the Martinez reference (U.S. Patent No. 7,039,359). Similarly, the Office Action rejected Claims 5 and 6 under 35 U.S.C. §103(a) as being obvious over allegedly admitted prior art in view of the Martinez and further in view of the Baskin reference (U.S. Patent No. 6,087,898).

The Office Action asserts that the Martinez reference discloses that a carrier generated by the carrier oscillator is interference-inputted to the receiving high-frequency amplifier, thereby modulating the receiving high-frequency. However, in the Martinez reference, the carrier is inputted by means of the propagation via the signal line. This is quite different from the presently claimed invention wherein the carrier is interference-inputted by means of spatial propagation, so that the power distributor and the frequency converter, which have been necessary in the conventional electronic circuit, become unnecessary, thereby reducing cost. Claim 1 has been amended in this regard.

It is therefore respectfully submitted that Claims 1-4 are patentable over the cited prior art.

With respect to Claims 5 and 6, the Office Action asserted that the Baskin reference discloses that the coupler has a capacitor of low-capacitance. However, in the Baskin reference, the traveling-wave and the reflected-wave are respectively detected by means of the coupler, and on the basis of the detected traveling-wave and the reflected-wave, the warping correction is carried out in the amplifier. This is quite different from the presently claimed invention wherein the most suitable capacitance of the capacitor of low-capacitance is set, so that the signal of the

carrier oscillator is inputted to the receiving high-frequency amplifier at the most suitable signal intensity. Consequently, it becomes possible to integrate two circuits, the power distributor and the frequency converter, into one circuit.

It is therefore respectfully submitted that Claims 5 and 6 are patentable over the cited prior art.

In view of the above, each of the claims in this application is believed to be in immediate condition for allowance. Accordingly, the Examiner is respectfully requested to withdraw the outstanding rejections of the claims and pass this application to early issue.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ronald E. Brown", with a stylized, cursive script.

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